

REMARKS/ARGUMENTS

This Amendment is being filed in response to the Office Action dated January 19, 2007. Reconsideration and allowance of the application in view of the amendments made above and the remarks to follow are respectfully requested.

Claims 1-15 are currently pending in the Application. Claims 1 and 8 are independent claims.

Claims 1-15 are rejected under 35 U.S.C. §102(b) as allegedly anticipated by U.S. Patent No. 6,229,773 (Chou). This position is respectfully refuted. It is respectfully submitted that these claims are patentable for at least the following reasons.

Chou is directed towards an optical disk reading device that reduces fluctuation of the optical pickup head. In Chou, the optical pickup head (PUH in Fig. 1) is situated on a movable sled and the tracking coil 140 is located on the optical pick up head. In Chou, "[s]ince the Coil is not a strong rigid body, it physically vibrates or fluctuates relative to the Sled as the Sled is accelerated or decelerated" (see, FIG. 7D and the accompanying description contained in Col. 7, lines 65-67). To reduce the fluctuation of the tracking coil in Chou, the (illustrative emphasis added) "position of the Coils can be adjusted by...an

external exerting force" applied to the coil (Col. 8, lines 19-20).

As should be clear from an examination of FIGs. 7E and 10-13, Chou in fact teaches applying a compensating external force to the Coil.

Therefore, it is respectfully submitted that the method of Claim 1 is not anticipated or made obvious by the teachings of Chou. For example, Chou does not disclose or suggest a method that amongst other patentable elements, comprises (illustrative emphasis provided):

"detecting at least one of a substantial
deceleration, acceleration and stop of the sledge
when moving radially by detecting a radial
displacement of said platform with respect to
said sledge; and
controlling the sledge based upon the
detecting acts"

as required by Claim 1 and as substantially required by Claim 8.

Chou nowhere discloses or suggests detecting at least one of a substantial deceleration, acceleration and stop of the sledge by detecting a radial displacement of said platform with respect to said sledge and controlling the sledge based upon the detecting acts as required by claim 1, and substantially required by Claim 8, of the present system. Even assuming, in arguendo, tracking coils 140 can be substituted for "the platform" in claim 1, there is no showing of controlling the sled/sledge based upon these detecting

acts in Chou as required by Claim 1, and substantially required by Claim 8, of the present invention, rather, Chou applies an external force on the tracking coils to control the fluctuation of the tracking coils versus the Sled.

The Office Action has taken a position that FIG. 9, shows "Coil=platform and sledge=sled) (see, Office Action, page 3, lines 2-3) which is unclear and believed not shown by FIG. 9. As stated in Chou, "FIG. 9 is a drawing, schematically illustrating an inertia interaction between the sled motor and the tracking coil" (see, Col. 8, lines 58-60). Col. 7, lines 55-67 as cited in the Office Action, page 3, line 4 for showing "controlling the sledge based upon the detecting acts", in fact describes no such interaction. The cited section describes FIGs. 7A-7E which merely show a positioning of the sled and coil (FIG. 7A), an exerting force on the sled (FIG. 7B), sled velocity verses position (Fig. 7C), resultant coil velocity for an un-dampened coil (FIG. 7D), and the absolute velocity of the Coil resulting from a combination of the sled velocity and the coil velocity (FIG. 7E).

As made abundantly clear by each of FIGs. 10-13, the compensation of the motion of the coil is performed by applying a feedback force $f(s)$ to the coil, or in other words controlling the

coil and not by controlling the sled/sledge. (For example, see, Col. 9, lines 16-23.)

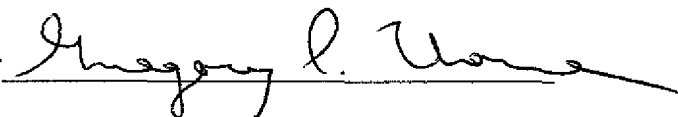
Based on the foregoing, the Applicant respectfully submits that independent Claims 1 and 8 are patentable over Chou and notice to this effect is earnestly solicited.

Claims 2-7 and 9-15 respectively depend from one of Claims 1 and 8 and accordingly are allowable for at least this reason as well as for the separately patentable elements contained in each of said claims.

In addition, Applicant denies any statement, position or averment of the Examiner that is not specifically addressed by the foregoing argument and response. Any rejections and/or points of argument not addressed would appear to be moot in view of the presented remarks. However, the Applicant reserves the right to submit further arguments in support of the above stated position, should that become necessary. No arguments are waived and none of the Examiner's statements are conceded.

Applicant has made a diligent and sincere effort to place this application in condition for immediate allowance and notice to this effect is earnestly solicited.

Respectfully submitted,

By 

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